

Verbose Textbook

Name: _____

Date: _____ Period: _____

Group Members: _____

1) What is this task about?

2) What is this task asking you to do?

3) How do you think you are going to figure out/solve this situation?

4) How do you know your solution reasonable?

The Task:

How many words are in A Raisin in the Sun book? Develop a strategy to estimate or predict how many words are in the entire textbook.

Skills to focus on:

- MP1: Make sense of problems and persevere in solving them.
- MP2: Reason abstractly and quantitatively.
- MP3: Construct viable arguments and critique the reasoning of others.
- MP5: Use appropriate tools strategically.
- MP6: Attend to precision.
- MP7: Look for and make use of structure.

Standard:

7.SP.A.1. Understand that statistics can be used to gain information about a population by examining a sample of the population; generalizations about a population from a sample are valid only if the sample is representative of that population. Understand that random sampling tends to produce representative samples and support valid inferences.

7.SP.A.2. Use data from a random sample to draw inferences about a population with an unknown characteristic of interest. Generate multiple samples (or simulated samples) of the same size to gauge the variation in estimates or predictions. *For example, estimate the mean word length in a book by randomly sampling words from the book; predict the winner of a school election based on randomly sampled survey data. Gauge how far off the estimate or prediction might be.*

STOP and THINK
DISCUSS
Plan
GO!

Solution:

Questions:

1) How far off do you think your estimate or prediction might be? Explain.

2) Why do all the groups have slightly different answers even though we used the same book? Explain.

Response:

*This is will be worth a 20 point homework assignment **due Monday.***

What is your solution? What strategy did you use to find your solution? Explain your reasoning in words. Follow a *beginning, middle, and end* format. Don't forget that for every statement that you make, you need evidence to support it, and then answer the question **why**.

[illegible]

